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PTO/SB/21 (09-06)

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& TRADEMAN		Application Number	10/707	,384			
TRANSMITTAL		Filing Date	12/09/2	2003			
FORM		First Named Inventor	Cheng	-Jung Ch	hen		
		Art Unit	2629				
(to be used for all correspondence after initia	I filing)	Examiner Name	NGUY	EN, KEV	/IN M		
Total Number of Pages in This Submission	8	Attorney Docket Number	VASPO	003USA	١		
	ENCI	LOSURES (Check a	li that apply)			
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s)		Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocate Change of Correspondence Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on Codes est for Certificate of	Address		Appeal of Appeal (Appeal (Appeal Proprie Status (Other Epelow): 1. Copy 10/33. Copie 12/10.	Communicate eals and Inter Communicate Notice, Brief, stary Informatic Letter Enclosure(s) (in the Front Property of Fee Transno/2006 eas of the Notice of 72003 Mistake Certifi	ferences from to TC Reply Brief) on please Identify rage of Patent mittal submitted on f Recordation dated
SIGNA	ATURE C	F APPLICANT, ATTO	RNEY, O	R AGEN	IT.	JAN 1	8
Firm Name North America Intelle	ectual Pro	perty Corporation				of Corr	ection
Signature Winters Hore							
Printed name Winston Hsu							
Date JAN 1 2 2007		Reg. No.	41,526				
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Typed or printed name Stephanie Lai				Date	JAN 1 2	2007	

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SUBMITTED BY			
Signature	Winters Home	Registration No. (Attomey/Agent) 41,526	Telephone 3027291562
Name (Print/Type)	Winston Hsu		Date JAN 1 2 2007

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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Cheng-Jung Chen et al.

Examiner: NGUYEN, KEVIN M Art Unit: 2629

Docket No. : VASP0003USA

Title: DRIVING CIRCUIT OF A LIQUID CRYSTAL DISPLAY AND

RELATING DRIVING METHOD

To: Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

Subject: Request for Certificate of Correction of Office Mistake

The name of the assignee listed on the front page of the Patent is incorrect (Attachment 1). Documents on record indicate this as an Office mistake of consequence.

The applicant hereby requests that a Certificate of Correction be issued under 37 CFR 1.322 to correct the name of the assignee from **Vestview Technology Inc.** to **Vastview Technology Inc.** which was correctly listed on the Fee Transmittal submitted on 10/30/2006 (Attachment 2) and the Notice of Recordation dated 12/10/2003 (Attachment 3).

Respectfully submitted,

Wenton Han			
Ullinon Jall	Date:	JAN 1 2 2007	

Winston Hsu, Patent Agent No. 41,526

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(Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan).



(12) United States Patent Chen et al.

(10) Patent No.: US 7, (45) Date of Patent:

US 7,148,869 B2 Dec. 12, 2006

(54)	DRIVING CIRCUIT OF A LIQUID CRYSTAL
(- ',	DISPLAY AND RELATING DRIVING
	METHOD

(75) Inventors: Cheng-Jung Chen, Miao-Li Hsien
(TW); Yuhren Shen, Tai-Nan (TW);
Liang-Chen Chien, Chia-Yi Hsien
(TW)

the name of the assignee

from Veseview

(73) Assignee: Vestview Technology Inc. Hsin-Chu

*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 595 days.

technology the."
to "Vareview (21) Ap

(21) Appl. No.: 10/707,384

Technology ma (22) Filed: Dec. 9, 2003

(65) Prior Publication Data
US 2005/0099549 A1 May 12, 2005

(51) Int. Cl.

G09G 3/36 (2006.01)

(52) U.S. Cl. 345/89

(58) Field of Classification Search 345/89,

345/690, 600; 348/674; 359/519

See application file for complete search history

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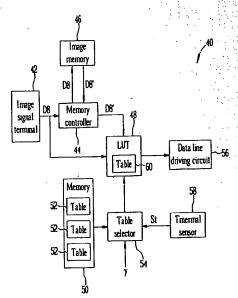
* cited by examiner

Primary Examiner—Richard Hjerpe Assistant Examiner—Kevin M. Nguyen (74) Attorney, Agent, or Firm—Winston Hsu

(57) ABSTRACT

A driving method of a liquid crystal display (LCD) includes (a) measuring reaction curves of LCD panel pixels switching from any gray scale value to others within a frame period and generating a standard table according to the results, (b) measuring adjustment gray scale values of any gray scale values for different gammas, (c) generating a plurality of tables according to the adjustment gray scale values and the standard table, (d) applying scan voltages to the scan lines, (e) receiving image data from an image signal terminal, (f) delaying the image data for a frame period to generate delayed image data, (g) selecting a table from the standard table and the tables according to gamma, and (h) selecting an image data value from the selected table according to the current and delayed image data to generate a data line voltage to be applied on a corresponding data line.

8 Claims, 8 Drawing Sheets



PART B - FEE(S) TRANSMITTAL

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O.BOX 506 **MERRIFIELD, VA 22116** Stephanie Lai (Signature) Seepha Lan (Date 10/30/2006 ATTORNEY DOCKET NO. CONFIRMATION NO. FILING DATE FIRST NAMED INVENTOR APPLICATION NO. VASP0003USA 1383 10/707.384 12/09/2003 Cheng-Jung Chen DRIVING CIRCUIT OF A LIQUID CRYSTAL DISPLAY AND RELATING DRIVING METHOD TITLE OF INVENTION: PREV. PAID ISSUE FEE TOTAL FER(S) DUE DATE DUE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE APPLN, TYPE 12/27/2006 \$0 \$1000 \$700 \$300 YES nonprovisional ART UNIT **CLASS-SUBCLASS EXAMINER** 2629 345-089000 NGUYEN, KEVIN M Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list Winston Hsu (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent. If an assignce is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE 4F, No. 5, Technology Rd., Science-Based Industrial Park, Hsin-Chu, Taiwan, Vastview Technology Inc. R.O.C. Please check the appropriate assignce category or categories (will not be printed on the patent): 🔲 Individual 🗹 Corporation or other private group entity 🚨 Government 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted:

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Authorized Signature Windows Hans	Date 10/30/2006			
Typed or printed name Winston Hsu	Registration No. 41,526			

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RECORDATION DATE: 12/09/2003

REEL/FRAME: 014184/0008

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHEN, CHENG-JUNG

DOC DATE: 12/08/2003

ASSIGNOR:

SHEN, YUHREN

DOC DATE: 12/08/2003

ASSIGNOR:

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DOC DATE: 12/08/2003

ASSIGNEE:

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PARK

HSIN-CHU, TAIWAN

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014184/0008 PAGE 2

SERIAL NUMBER: 10707384

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FILING DATE: ISSUE DATE:

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